Amendments to the Claims

This Listing of Claims will replace all prior versions and listings of claims in the application:

- 1 18. (Canceled)
- 19. (Currently Amended) A stable anode for use in an electrolytic metal-aluminum production cell, the stable anode comprising a monolithic body containing at least 80 wt % iron oxides, the iron oxides where the anode is a material-selected from the group consisting of Fe₃O₄, Fe₂O₃, FeO and mixtures thereof, where at lease one of Fe₃O₄ and Fe₂O₃ is present, and where the anode may optionally contain additive.
- 20. (Previously Presented) The stable anode of Claim 19, wherein the iron oxide is from zero to 100 weight percent Fe₃O₄, from zero to 100 weight percent Fe₂O₃, and from zero to 50 weight percent FeO, where at least one of the iron oxides Fe₃O₄ and Fe₂O₃ is present.
- 21. (Previously Presented) The stable anode of Claim 19, wherein the iron oxide is Fe_3O_4 .
- 22. (Previously Presented) The stable anode of Claim 19, wherein the iron oxide comprises is Fe_2O_3 .

23. - 24. (Cancelled)

- (Previously Presented) The stable anode of Claim 19, wherein the anode has a surface coated with the iron oxide.
- 26. (Original) The stable anode of Claim 19, wherein the anode remains stable in a molten bath of the electrochemical an electrolytic aluminum production cell at a temperature of up to 960°C.

27. - 29. (Canceled)

- 30. (New) The stable anode of Claim 21, wherein the monolithic body is entirely composed of Fe_3O_4 and FeO.
- 31. (New) The stable anode of Claim 22, wherein the monolithic body is entirely composed of Fe_2O_3 and FeO.

- (New) The stable anode of Claim 19, wherein the monolithic body comprises at least 90 wt % iron oxides.
- 33. (New) The stable anode of Claim 32, wherein the stable anode comprises up to 10 wt % of an additive, wherein the additive is an oxide of one of Al, Si, and Mg.
- (New) The stable anode of Claim 19, wherein the monolithic body comprises at least 95 wt % iron oxides.
- 35. (New) The stable anode of Claim 34, wherein the stable anode comprises up to 5 wt % of an additive, wherein the additive is an oxide of one of Al, Si, and Mg.
- (New) An electrolytic aluminum production cell including a plurality of the stable anodes of Claim 19.
- 37. (New) The electrolytic aluminum production cell of Claim 36, wherein the electrolytic aluminum production cell contains a cryolite bath and wherein the electrolytic cell is operable to produce commercial purity aluminum utilizing the plurality of stable anodes, wherein the commercial purity aluminum contains a maximum of 0.5 weight percent iron.
- 38. (New) The electrolytic aluminum production cell of Claim 37, wherein the electrolytic aluminum production cell is operable at temperatures of from about 850°C to about 920°C to produce the commercial purity aluminum.
- 39. (New) The electrolytic aluminum production cell of Claim 38, wherein the commercial purity aluminum contains a maximum of 0.034 weight percent Ni, a maximum of 0.034 weight percent Cu, and a maximum of 0.15 weight percent Si.